



LAP7 Rec'd PCT/PTO 14 JUN 2006

**PATENT APPLICATION**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of:

Akinori NISHIHARA, et al.

Group Art Unit: not yet assigned

Application No.: 10/531,102

Confirmation No.: 2155

Filed: April 11, 2005

Attorney Dkt. No.: 60562.00006

For: METHOD OF COMPUTING FIR FILTER COEFFICIENT AND PROGRAM  
FOR COMPUTING SAME

**RESPONSE TO NOTICE TO FILE MISSING REQUIREMENTS**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

June 14, 2006

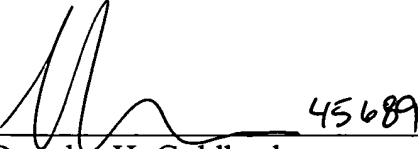
**ATTN - MAIL STOP MISSING PARTS**

Sir:

Applicants acknowledge receipt of the Notification of Missing Requirements dated April 14, 2006, (copy attached), in the above-referenced application. A U.S. National Stage Application was filed in the subject application on April 11, 2005. In this US National Stage Application, applicants submitted a proper Declaration under 37 CFR § 1.63, and paid the required filing fees. It is respectfully submitted that the filing of the complete U.S. National Stage Application of April 11, 2005, was sufficient to render the Notification of Missing Requirements as "moot". We enclose copies of the documents and the postcard receipts which are stamped by the United States Patent & Trademark Office as evidence of the above-mentioned submission having been received by the United States Receiving Office.

Please charge any fee deficiency or credit any overpayment to Counsel's Deposit  
Account No. 50-2222.

Respectfully submitted,

  
\_\_\_\_\_  
Douglas H. Goldhush  
Registration No. 33,125

**Customer Number 32294**  
SQUIRE, SANDERS & DEMPSEY LLP  
14<sup>TH</sup> Floor  
8000 Towers Crescent Drive  
Tysons Corner, Virginia 22182-2700  
Telephone: 703-720-7800  
Fax: 703-720-7802

DHG:nab

Enclosures: Copy of complete U.S. National Stage Application as filed on April 11,  
2005  
Copy of Stamp Postcard Receipt  
Copy of Notification of Missing Requirements  
Form PTO-1390



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov

(11) DTHK

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/531,102	Akinori Nishihara	60562.00006

INTERNATIONAL APPLICATION NO.
PCT/JP03/13132

I.A. FILING DATE	PRIORITY DATE
10/14/2003	10/15/2002

32294

SQUIRE, SANDERS & DEMPSEY L.L.P.  
 14TH FLOOR  
 8000 TOWERS CRESCENT  
 TYSONS CORNER, VA 22182

CONFIRMATION NO. 2155

371 FORMALITIES LETTER



\*OC000000018512718\*

Date Mailed: 04/14/2006

### NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Indication of Small Entity Status
- Copy of the International Application filed on 04/11/2005
- Copy of the International Search Report filed on 04/11/2005
- Information Disclosure Statements filed on 04/11/2005
- Request for Immediate Examination filed on 04/11/2005
- U.S. Basic National Fees filed on 04/11/2005
- Assignment filed on 04/11/2005
- Priority Documents filed on 04/11/2005

The applicant needs to satisfy supplemental fees problems indicated below.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.
- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.492(h) of \$65 for a small entity in compliance with 37 CFR 1.27, must be submitted with the missing items identified in this letter.

#### SUMMARY OF FEES DUE:

Total additional fees required for this application is \$65 for a Small Entity:

• \$65 Surcharge.

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

CHARITTA A BURT

Telephone: (703) 308-9140 EXT 207

**PART 1 - ATTORNEY/APPLICANT COPY**

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/531,102	PCT/JP03/13132	60562.00006

FORM PCT/DO/EO/905 (371 Formalities Notice)

MAIL STOP PCT

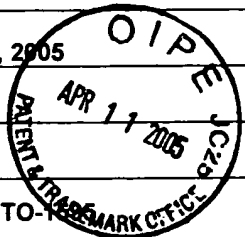
Patent ☒ Trademark ☐ Docket No. 60562.00006

Serial No. New Application Filed April 11, 2005

Applicant(s) NISHIHARA et al

Papers filed herewith on April 11, 2005

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> Fees \$ <u>540.00; CkNo.12765</u>  | <input checked="" type="checkbox"/> Assignment w/ PTO-1595        |
| <input checked="" type="checkbox"/> New Application (18 Pages)   | <input checked="" type="checkbox"/> Declaration                   |
| <input type="checkbox"/> Response/Amendment  | <input type="checkbox"/> Priority Document                        |
| <input type="checkbox"/> Notice of Appeal  | <input type="checkbox"/> Req. for Ext. of Time                    |
| <input checked="" type="checkbox"/> IDS/PTO-1449 (4 Refs.)   | <input checked="" type="checkbox"/> Drawings (Formals - 6 sheets) |
| <input checked="" type="checkbox"/> Other <u>PTO-1390 Transmittal; PCT/ISA/210; PCT/ISA/220; PCT/IB/308;</u><br><u>PCT/IB/304; PCT/IB/301; PCT Request</u> |   |



Receipt is hereby acknowledged of the papers filed as indicated in connection with the above-identified case.

COMMISSIONER OF PATENTS

DHG:scc

Due Date: 4/15/05

MAIL STOP PCT

Patent ☒ Trademark ☐ Docket No. 60562.00006

Serial No. New Application 10/531102 Filed April 11, 2005

Applicant(s) NISHIHARA et al

Papers filed herewith on April 11, 2005

- |  |   |
|--|---|
| <input checked="" type="checkbox"/> Fees \$ <u>540.00; CkNo.12765</u>  | <input checked="" type="checkbox"/> Assignment w/ PTO-1595        |
| <input checked="" type="checkbox"/> New Application (18 Pages)   | <input checked="" type="checkbox"/> Declaration                   |
| <input type="checkbox"/> Response/Amendment  | <input type="checkbox"/> Priority Document                        |
| <input type="checkbox"/> Notice of Appeal  | <input type="checkbox"/> Req. for Ext. of Time                    |
| <input checked="" type="checkbox"/> IDS/PTO-1449 (4 Refs.)   | <input checked="" type="checkbox"/> Drawings (Formals - 6 sheets) |
| <input checked="" type="checkbox"/> Other <u>PTO-1390 Transmittal; PCT/ISA/210; PCT/ISA/220; PCT/IB/308;</u><br><u>PCT/IB/304; PCT/IB/301; PCT Request</u> |   |

Receipt is hereby acknowledged of the papers filed as indicated in connection with the above-identified case. **EARLY NOTIFICATION OF SERIAL NUMBER**

COMMISSIONER OF PATENTS

DHG:scc

Due Date: 4/15/05

**JO07 Rec'd PCT/PTO 11 APR 2005**

FORM PTO-1390  
(REV 12-2001)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

ATTORNEY DOCKET NO.  
60562.00006

TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371

DATE: April 11, 2005

U.S. APPLN. NO.  
(IF KNOWN, SEE 37 C.F.R. 1.5)

INTERNATIONAL APPLICATION NO.  
PCT/JP2003/013132

INTERNATIONAL FILING DATE  
14 October 2003

PRIORITY DATE CLAIMED  
15 October 2002

TITLE OF INVENTION: METHOD OF COMPUTING FIR FILTER COEFFICIENT AND PROGRAM FOR COMPUTING SAME

APPLICANT(S) FOR DO/EO/US: Akinori NISHIHARA; Saeed SAMADI

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.  
(THE BASIC FILING FEE IS ATTACHED)
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This express request to begin national examination procedures [35 U.S.C. 371(f)] at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).
4. ☒ The US has been elected (Article 31).
5. ☒ A copy of the International Application as filed [35 U.S.C. 371(c)(2)]
  - a. ☒ is transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☒ has been transmitted by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed [35 U.S.C. 371(c)(2)].
  - a. ☐ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 [35 U.S.C. 371(c)(3)]
  - a. ☐ are transmitted herewith (required only if not transmitted by the International Bureau).
  - b. ☐ have been transmitted by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 [35 U.S.C. 371(c)(3)].
9. ☒ An oath or declaration of the inventor(s) [35 U.S.C. 371(c)(4)].
10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 [35 U.S.C. 371(c)(5)].

Items 11 - 19 below concern other document(s) or information included:

11. ☒ An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98, along with form PTO-1449 and 4 References.
12. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included.
13. ☐ A **FIRST** preliminary amendment.  
☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
14. ☐ A substitute specification.
15. ☐ A change of power of attorney and/or address letter.
16. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 35 U.S.C. 1.821 - 1.825.
17. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
18. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
19. ☒ Other items or information: CHECK NO. 12765; Formal Drawings (Figs. 1-6; 6 sheets); PCT/ISA/210; PCT/ISA/220; PCT/IB/308; PCT/IB/304; PCT/IB/301; PCT Request

U.S. APPLN. NO. (IF KNOWN, SEE 37 C.F.R. 1.50)		INTERNATIONAL APPLICATION NO. PCT/JP2003/013132		ATTORNEY DOCKET NO. 60562.00006  DATE: April 11, 2005	
20. <input checked="" type="checkbox"/> The following fees are submitted:  Basic National Stage Fee .....\$300.00 National Stage Search Fee.....\$500.00 National Stage Examination Fee.....\$200.00				CALCULATIONS	PTO USE ONLY
<b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>				\$ 1,000.00	
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date [37 C.F.R. 1.492(e)].					
Claims	Number Filed	Number Extra	Rate		
Total Claims	3 - 20 =	0	X \$ 50.00		
Independent Claims	2 - 3 =	0	X \$ 200.00		
			+ \$360.00		
Multiple dependent claim(s) (if applicable) <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250.00 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
- 100 =	/50 =		X \$250.00		
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$ 1,000.00	
Reduction by one-half for filing by small entity, if applicable. Applicant claims small entity status. See 37 CFR 1.27.				\$ 500.00	
<b>SUBTOTAL =</b>				\$ 500.00	
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date [37 C.F.R. 1.492(f)]. +				\$ 500.00	
<b>TOTAL NATIONAL FEE =</b>					
Fee for recording the enclosed assignment [37 C.F.R. 1.21(h)]. The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. 3.28, 3.31). \$40.00 per property +				\$ 40.00	
<b>TOTAL FEES ENCLOSED =</b>				\$ 540.00	
				Amount to be refunded	\$
				Charged	\$

U.S. APPLN. NO. (IF KNOWN,  
SEE 37 C.F.R. 1.50)

INTERNATIONAL APPLICATION  
NO. PCT/JP2003/013132

ATTORNEY DOCKET NO. 60562.00006

DATE: April 11, 2005

- a. ☒ A check in the amount of \$540.00 to cover the above fees is enclosed.
- b. ☐ Please charge Counsel's Deposit Account No. 50-2222 in the amount of \$\_\_\_\_\_ to cover the above fee.  
A duplicate copy of this sheet is enclosed.
- c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Counsel's Deposit Account No. 50-2222.

NOTE: Where an appropriate time limit under 37 C.F.R. 1.494 or 1.495 has not been met, a petition to revive [37 C.F.R. 1.137(a) or (b)] must be filed and granted to restore the application to pending status.

SEND ALL CORRESPONDENCE TO:

Customer Number 32294  
SQUIRE, SANDERS & DEMPSEY LLP  
8000 Towers Crescent Drive  
14<sup>th</sup> Floor  
Tysons Corner, Virginia 22182-2700  
Telephone: 703-720-7800  
Fax: 703-720-7802

**SIGNATURE ON  
ORIGINAL**

Douglas H. Goldhush  
Reg. No. 33,125